IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Joseph P. Bigus et al.

Serial No.:   09/100,595   Date: February 14, 2000

Filed: June 19, 1998   Group No.: 2762

For: OPTIMIZING THE PERFORMANCE   Examiner: W. Starks, Jr.
     OF COMPUTER TASKS USING
     INTELLIGENT AGENT WITH
     MULTIPLE PROGRAM MODULES
     HAVING VARIED DEGREES OF
     DOMAIN KNOWLEDGE

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants request that the information listed on the attached Form PTO-1449 be considered by the Office during the pendency of the above entitled application, pursuant to 37 C.F.R. 1.97. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b). In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the new standard of materiality defined in 37 C.F.R. 1.56(b), enacted March 16, 1992, but may be material under the old standard of materiality defined in 37 C.F.R. 1.56(a), last amended on November 28, 1988, or may merely be technical background which may be of interest to the Examiner. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Docket No.:   RO996-052LB
Serial No.:   09/100,595   - 1 -

The references listed herein were cited in a search report by a foreign patent office, a copy of which is attached hereto. If any references listed herein are in a language other than English, said foreign search report is submitted in satisfaction of the requirements of 37 C.F.R. 1.98(a)(3). Unless a translation accompanies this Statement, no written English-language translation of any non-English language document, or portion thereof, listed herein, is within the possession custody or control of, or is readily available to any individual designated in 37 C.F.R. 1.56(c).
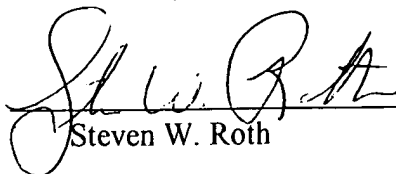
This Information Disclosure Statement is being filed under 37 C.F.R. 1.97(c) before a final action or notice of allowance. No filing fee is required because each item of information contained herein was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement (certification provided below).

Respectfully submitted,

By _____

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- -
CERTIFICATE OF MAILING
I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on February 14, 2000.
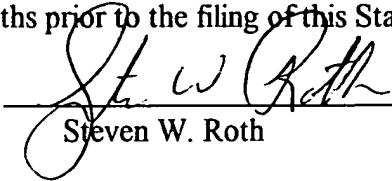
_____   February 14, 2000
Steven W. Roth   Date

Docket No.: RO996-052LB
Serial No.: 09/100,595   - 2 -

CERTIFICATION

I hereby certify that each item of information contained herein was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

_____   __February 14, 2000__
Steven W. Roth   Date

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. RO996-052LB	SERIAL NO. 098/100,595
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT: Joseph P. Bigus et al.	
(Use several sheets if necessary)	FILING DATE: June 19, 1998	GROUP: 2762

REFERENCE DESIGNATION **U.S. PATENT DOCUMENTS**

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (IF APPRO.)
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	D. Johansen et al., "Operating System Support for Mobile Agents," Workshop on Hot Topics in Operating Systems, pp. 42-45, 1995.
	AS	A. Mensch et al., "REAKT: Real-time Architecture for Time-critical Knowledge-based Systems," Intelligent Systems Engineering, pp. 143-167, Autumn 1994.
	AT	A. Reinhardt, "The Network with Smarts," 4465 Byte, McGraw-Hill, Inc., Peterborough, NH, US, Vol. 19, No. 10, pp. 51-64, October 1994.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

REFERENCE DESIGNATION   **U.S. PATENT DOCUMENTS**

EXAMINER INITIALS		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB-CLASS	FILING DATE (IF APPRO.)
	BA												
	BB												
	BC												
	BD												
	BE												
	BF												
	BG												
	BH												
	BI												
	BJ												
	BK												

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	NO
	BL													
	BM													
	BN													
	BO													
	BP													

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	BR	H. Nwana et al., "An Introduction to Agent Technology," BT Technology Journal, Vol. 14, No. 4, pp. 55-67, October 1996.
	BS	A. Rasmusson et al., "Personal Security Assistance for Secure Internet Commerce," New Security Paradigm '96 Workshop, On-Line, pp. 1-12, September 16, 1996.
	BT	W. Farmer et al., "Security for Mobile Agents: Issues and Requirements," Proceedings of the 19th National Information Systems Security Conference, On-Line, pp. 1-7, 1996.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. RO996-052LB	SERIAL NO. 09/100,595

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S
INFORMATION
DISCLOSURE STATEMENT

APPLICANT:
Joseph P. Bigus et al.

(Use several sheets if necessary)

FILING DATE:
June 19, 1998

GROUP:
2762

REFERENCE DESIGNATION — U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (IF APPRO.)
	CA						
	CB						
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
	CK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	NO
	CL							
	CM							
	CN							
	CO							
	CP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	CR	F. Hohl, "An Approach to Solve the Problem of Malicious Hosts in Mobile Agent Systems," Universitat Stuttgart, Fakultat Informatik, Bericht Nr. 1997/03, On-Line, pp. 1-13, March 1, 1997.
	CS	
	CT	

EXAMINER	DATE CONSIDERED

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